

## Part F Installation

This part of the manual is divided into the sections listed below. These sections give a brief description of the rack mounting and wiring procedures for the T854 .

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## 2 M800 SL2 Installation

### 2.1 Mounting

The M800 SL2 unit is shipped ready assembled for fitting into racks.

All that is required is for the connection of suitable cables.

### 2.2 Power Supply

If a power supply other than an appropriate Tait model is used, ensure that it is capable of providing enough current to drive the T800 system and is also free from excessive ripple or noise.

The system should be protected by the use of appropriately rated fuses in the power supply.

**Note:** It is particularly important when the prime power source is a battery that fuses be employed in all supply lines.

### 2.3 Reverse Polarity & Overvoltage Protection

A crowbar diode is fitted to all T854 transmitters exciters for protection against connection to a power supply of incorrect polarity. It also provides overvoltage protection from voltage transients caused by lightning strikes.

**Note:** A fuse must be fitted in the power supply line for the diode to provide effective protection.

## 2.4 Wiring

The D-range input and output connections are shown in Figure 2.1 and Figure 2.2. Ensure that the cables are not subjected to any stresses due to tight bends or incorrect lengths.

Make sure the RF coax cable to the N-type connector is free from sharp bends or twists. If access to the rear of the rack frame is restricted, the cable should be long enough to allow the chassis to be fully withdrawn from the guide.

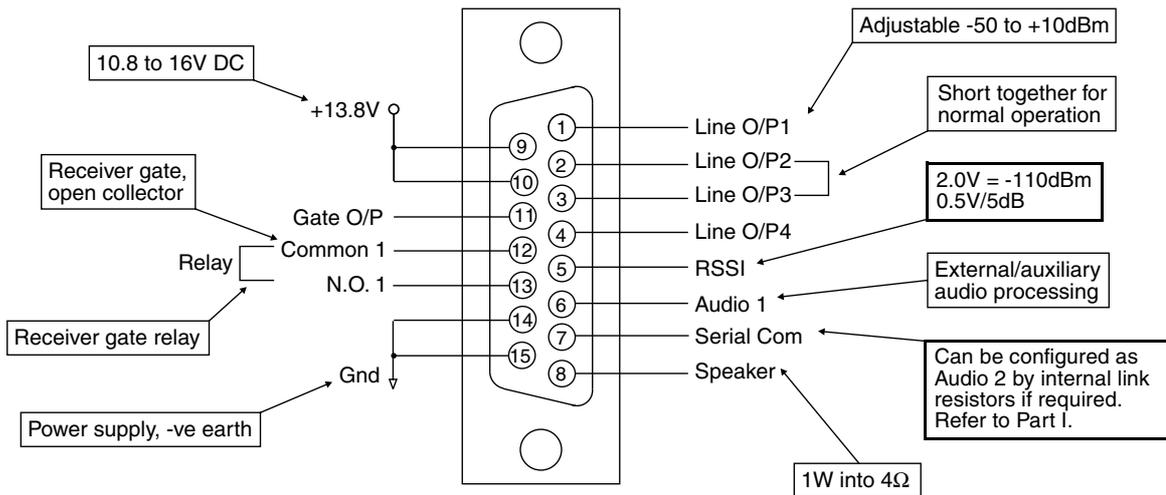


Figure 2.1 T855 D-Range 1 Wiring - Rear View

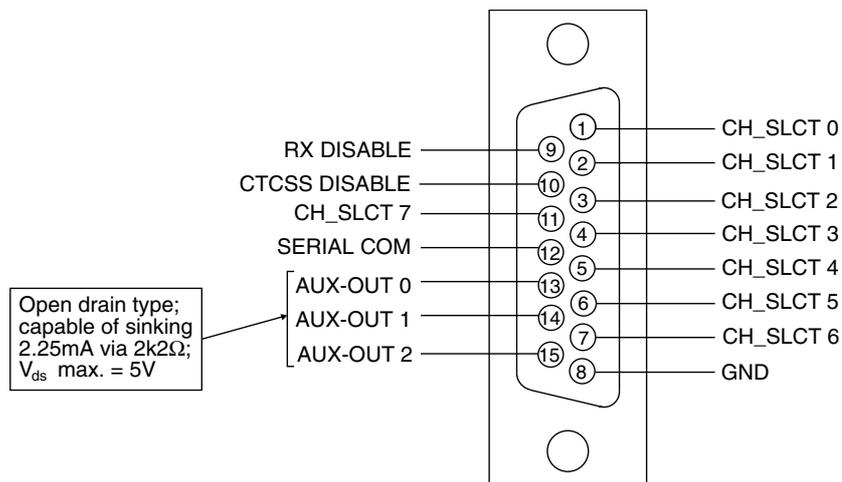
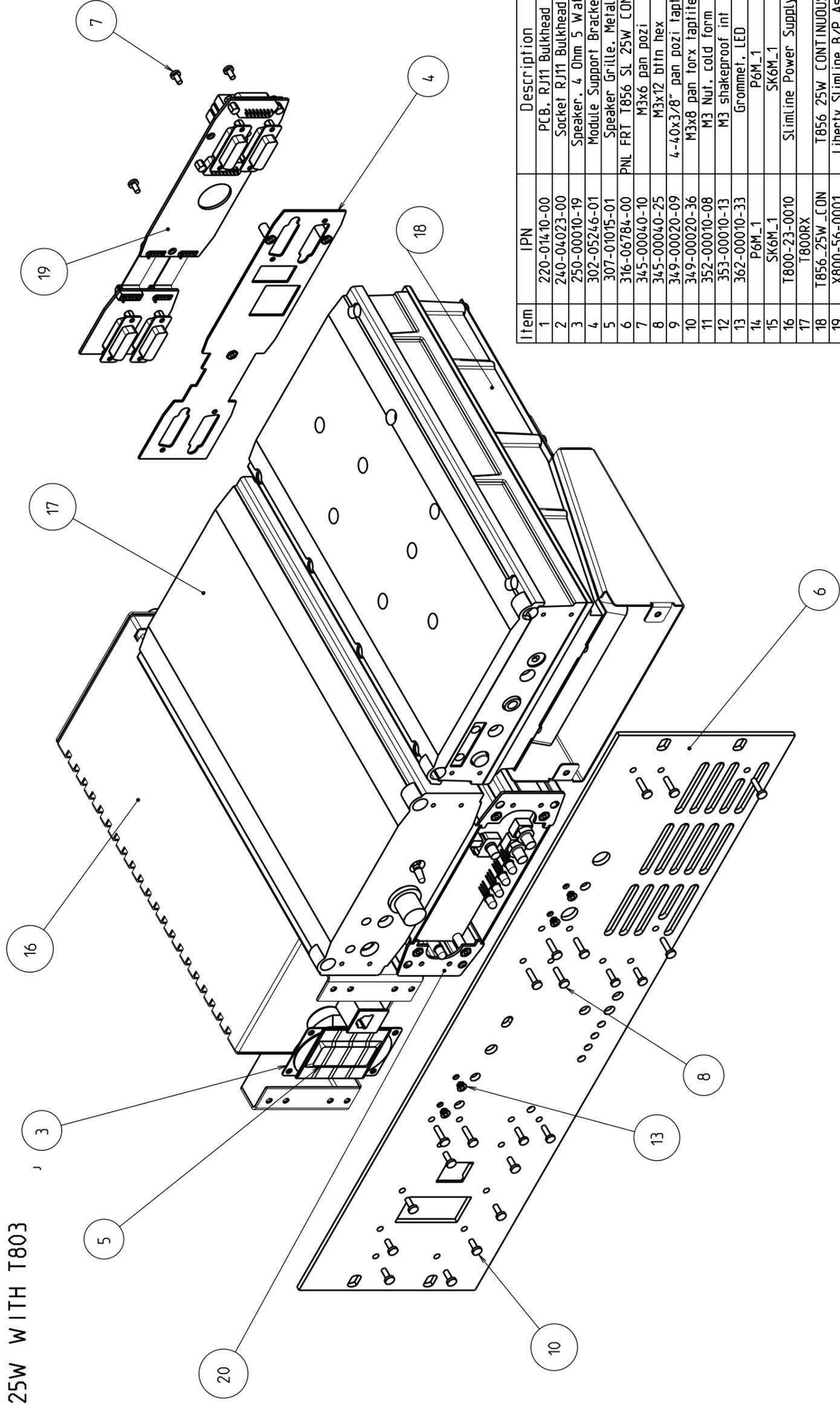


Figure 2.2 T855 D-Range 2 Wiring - Rear View (standard T800-03-0000 kit)

**Note:** Figure 2.2 above shows the standard pin allocations for the T800-03-0000 auxiliary D-range kit. A T800-03 auxiliary D-range kit is also available for special applications requiring custom internal wiring.



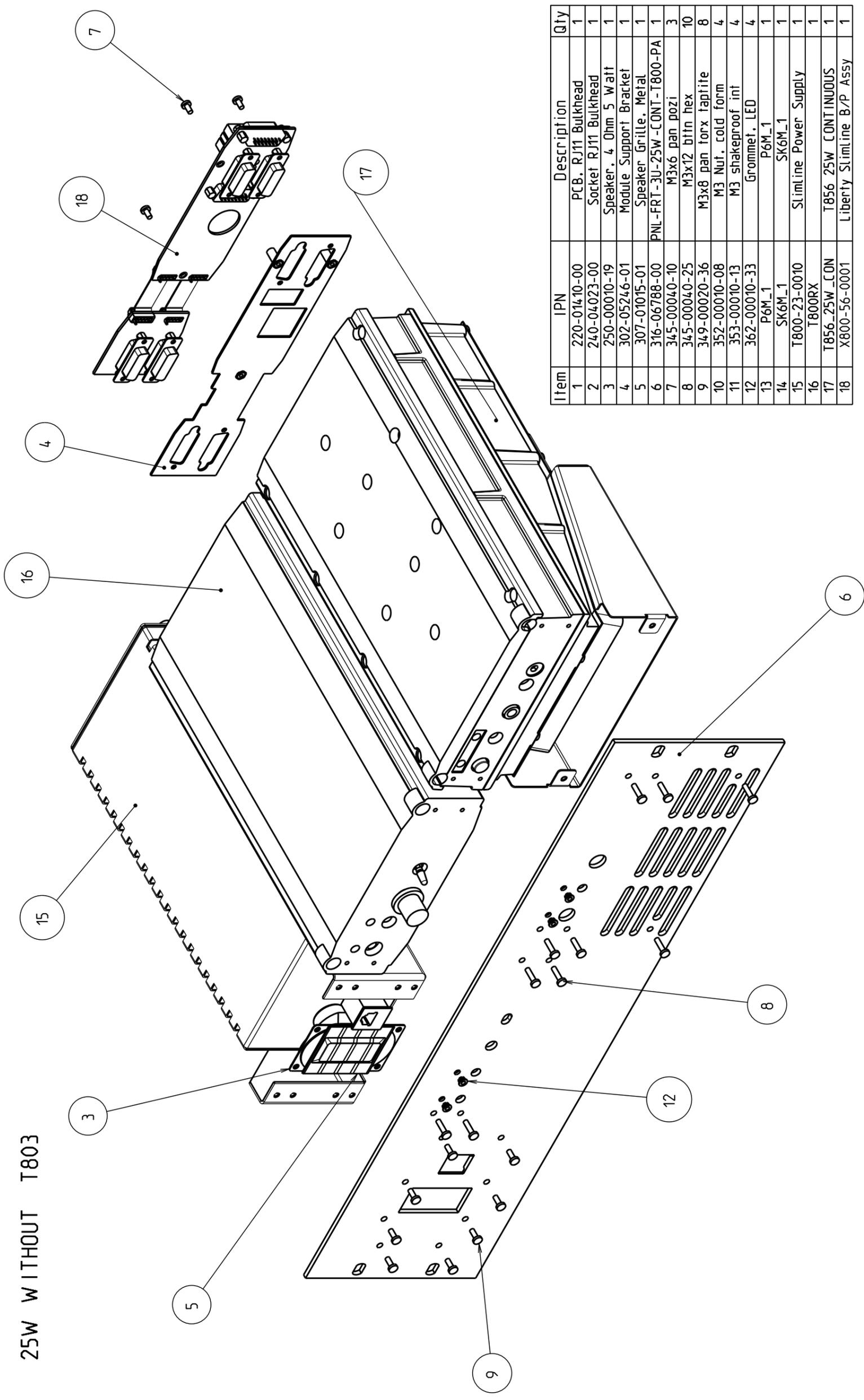
25W WITH T803



Item	IPN	Description	Qty
1	220-014-10-00	PCB, RJ11 Bulkhead	1
2	240-04023-00	Socket RJ11 Bulkhead	1
3	250-00010-19	Speaker, 4 Ohm 5 Watt	1
4	302-05246-01	Module Support Bracket	1
5	307-01015-01	Speaker Grille, Metal	1
6	316-06784-00	PNL FRT T856 SL 25W CONT PA	1
7	345-00040-10	M3x6 pan_pozi	3
8	345-00040-25	M3x12 bfin hex	10
9	349-00020-09	4-40x3/8" pan pozi taprite	4
10	349-00020-36	M3x8 pan torx taprite	8
11	352-00010-08	M3 Nut, cold form	4
12	353-00010-13	M3 shakeproof int	4
13	362-00010-33	Grommet, LED	4
14	P6M_1	P6M_1	1
15	SK6M_1	SK6M_1	1
16	T800-23-0010	Slimline Power Supply	1
17	T800RX	T800RX	1
18	T856-25W_CON	T856 25W CONTINUOUS	1
19	X800-56-0001	Liberty Slimline B/P Assy	1
20	X803-00-SLIMLINE	Tone Remote	1

**T856/857 Installation**  
**220-01138-00**  
**Assembly with T803 fitted**

25W WITHOUT T803



Item	IPN	Description	Qty
1	220-01410-00	PCB, RJ11 Bulkhead	1
2	240-04023-00	Socket RJ11 Bulkhead	1
3	250-00010-19	Speaker, 4 Ohm 5 Watt	1
4	302-05246-01	Module Support Bracket	1
5	307-01015-01	Speaker Grille, Metal	1
6	316-06788-00	PNL-FRT-3U-25W-CONT-T800-PA	1
7	345-00040-10	M3x6 pan pozi	3
8	345-00040-25	M3x12 bitn hex	10
9	349-00020-36	M3x8 pan torx taplite	8
10	352-00010-08	M3 Nut, cold form	4
11	353-00010-13	M3 shakeproof int	4
12	362-00010-33	Grommet, LED	4
13	P6M_1	P6M_1	1
14	SK6M_1	SK6M_1	1
15	T800-23-0010	Slimline Power Supply	1
16	T800RX	T800RX	1
17	T856_25W_CON	T856 25W CONTINUOUS	1
18	X800-56-0001	Liberly Slimline B/P Assy	1

**T856/857 Installation**  
**220-01138-00**  
**Assembly without T803 fitted**